

|                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                   |                                    |                                                         |  |                          |  |                  |  |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------|--|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------------|------------------------------------|---------------------------------------------------------|--|--------------------------|--|------------------|--|
| 1. Approving National Aviation Authority/Country<br>FAA/United States                                                                                                                                                                                                                                                                                                                                                        |  | 2.              |  | AUTHORIZED RELEASE CERTIFICATE<br>FAA Form 8130-3, AIRWORTHINESS APPROVAL TAG                                                                                                                                                                                                                                                                                                                                                       |  |                   | 3. Form Tracking Number:<br>103960 |                                                         |  |                          |  |                  |  |
| 4. ORGANIZATION:<br>Name and Address                                                                                                                                                                                                                                                                                                                                                                                         |  |                 |  | 2450 N.W. 110th Avenue<br>Miami, Florida 33172<br>Tel.: (305) 594-7444<br>Fax: (305) 594-9080<br>F.A.A. Repair Station N° LZ4R354M                                                                                                                                                                                                                                                                                                  |  |                   |                                    | 5. Work Order / Contract / Invoice Number:<br>TM-169301 |  |                          |  |                  |  |
| 6. Item:                                                                                                                                                                                                                                                                                                                                                                                                                     |  | 7. Description: |  | 8. Part Number:                                                                                                                                                                                                                                                                                                                                                                                                                     |  | 9. Eligibility: * |                                    | 10. Qty.:                                               |  | 11. Serial/Batch Number: |  | 12. Status/Work: |  |
| 1.                                                                                                                                                                                                                                                                                                                                                                                                                           |  | Actuator Assy.  |  | 65-17819-14                                                                                                                                                                                                                                                                                                                                                                                                                         |  | N/A               |                                    | 1                                                       |  | SC.902                   |  | OVERHAULED       |  |
| 13. Remarks: Work Order 103960 prescribing the actual work performed is attached. Certifies that the work specified in block 12/13 was carried out in accordance with EASA Part-145 and in respect to that work the component is considered ready for release to service under EASA Part-145 Approval Number: EASA.145.4663.<br>The work stated in Block 12 was accomplished IAW CMM 32-30-31 Rev Date: 11/01/10 Rev No.: 21 |  |                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                   |                                    |                                                         |  |                          |  |                  |  |
| 14. * Certifies the items identified above were manufactured in conformity to:<br>* * * * * Approved design data and are in a condition for safe operation<br>* * * * * Non-approved design data specified in block 13<br>* * * * *                                                                                                                                                                                          |  |                 |  | 19. <input checked="" type="checkbox"/> 14 CFR 43.9 Return to Service <input checked="" type="checkbox"/> Other regulations specified in Block 13<br>Certified that unless otherwise specified in Block 13, the work identified in Block 12 and described in Block 13 was accomplished in accordance with Title 14, Code of Federal Regulations, part 43 and in respect to that work, the items are approved for return to service. |  |                   |                                    |                                                         |  |                          |  |                  |  |
| 15. Authorized Signature: * * * * *                                                                                                                                                                                                                                                                                                                                                                                          |  |                 |  | 20. Authorized Signature:                                                                                                                                                                                                                                                                                                                       |  |                   |                                    | 21. Approval/Certificate Number:<br>LZ4R354M            |  |                          |  |                  |  |
| 17. Name (Typed or Printed): * * * * *                                                                                                                                                                                                                                                                                                                                                                                       |  |                 |  | 22. Name (Typed or Printed):<br>OSCAR UZ                                                                                                                                                                                                                                                                                                                                                                                            |  |                   |                                    | 23. Date (mm/dd/yy):<br>JAN 18 2012                     |  |                          |  |                  |  |
| User/Installer Responsibilities                                                                                                                                                                                                                                                                                                                                                                                              |  |                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                   |                                    |                                                         |  |                          |  |                  |  |
| It is important to understand that the existence of this document alone does not automatically constitute authority to install the part/component/assembly.                                                                                                                                                                                                                                                                  |  |                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                   |                                    |                                                         |  |                          |  |                  |  |
| Where the user/installer work in accordance with national regulations of an airworthiness authority different than the airworthiness authority of the country specified in block 1, it is essential that the user/installer ensures that his/her airworthiness authority accepts parts/components/assemblies from the airworthiness authority of the country specified in block 1.                                           |  |                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                   |                                    |                                                         |  |                          |  |                  |  |
| Statements in Block 14 and 19 do not constitute installation certification. In all cases, aircraft maintenance records must contain an installation certification issued in accordance with the national regulations by the user/installer before the aircraft may be flown.                                                                                                                                                 |  |                 |  |                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |                   |                                    |                                                         |  |                          |  |                  |  |

# WORK ORDER

Work Order : 103960  
Part Number : 65-17819-14  
Serial Number : SC.902  
ATA Number : 32-30-31  
Service Req. : Test

Repair Order : TM-169301  
Description : Actuator Assy.  
Manufacturer : Boeing  
Revision Date : 11/01/10  
Date : 12/27/11

## FAA REPAIR STATION LZ4R354M

### CONDITION REPORTED - CONFIRMATION N/A

Test and recert.

### CONDITION AS RECEIVED

S/N on R/O doesn't match with S/N on unit.

S/N on R/O: SC902

S/N on unit: SC.902

W/O is opened with S/N stated on unit.

### HIDDEN DAMAGE INSPECTION

NONE FOUND

### REMARKS

QUOTE and HOLD.

Receiving Clerk: Jesus Antonio Valencia

DATE: 12/27/2011

### AD NOTES, Customer Specs

THERE ARE NO A.D. NOTES FOR THIS UNIT

Signature: \_\_\_\_\_



DATE: \_\_\_\_\_

12/27/2011

# WORK ORDER

Work Order :103960  
Part Number :65-17819-14  
Serial Number :SC.902  
ATA Number :32-30-31  
Service Req. :Test

Repair Order :TM-169301  
Description :Actuator Assy.  
Manufacturer :Boeing  
Revision Date :11/01/10  
Date :12/27/11

## FAA REPAIR STATION LZ4R354M

### TEARDOWN REPORT

#### \*Pretest

Upon pretest found:

1. External leak by piston seal.
2. High internal leak, loose rod end and housing bearing upon arrival.

#### \*Disassembly

Upon disassembly and inspection, the following discrepancies were found:

1. Set and compressed packings and seals.
2. Loose rod end and housing bearings require replacement.
3. Actuator was disassembled, cleaned and inspected in accordance with the manufacturer's specifications.
4. Unit requires overhaul due to worn and damaged parts.

TECHNICIAN: Leopoldo Nunez

SUPERVISOR: \_\_\_\_\_



# WORK ORDER

Work Order : 103960  
Part Number : 65-17819-14  
Serial Number : SC.902  
ATA Number : 32-30-31  
Service Req. : Test

Repair Order : TM-169301  
Description : Actuator Assy.  
Manufacturer : Boeing  
Revision Date : 11/01/10  
Date : 12/27/11

## FAA REPAIR STATION LZ4R354M

### CORRECTIVE ACTION

1. Replaced all worn and damaged parts.
2. NDI was performed.
3. Reassembled and tested in accordance with the manufacturer's specifications.
4. Unit passed all functional test.

Unit overhauled and certified for return to service.

Tech : Jorge Necega

Spvsr : [Signature]

Date : 01/18/12

### SERVICE PERFORMED

Overhauled

### MAINTENANCE RELEASE

Issued with respect to job performed as checked above.  
The component identified above was inspected in accordance with current regulations of the F.A.A. and is approved for return to service. Pertinent details of the repair are on file at this agency under

W.O.# 103960

Date

JAN 18 2012

Signed

[Signature]  
7

# WORK ORDER

Work Order :103960  
Part Number :65-17819-14  
Serial Number :SC.902  
ATA Number :32-30-31  
Service Req. :Test

Repair Order :TM-169301  
Description :Actuator Assy.  
Manufacturer :Boeing  
Revision Date :11/01/10  
Date :12/27/11

## FAA REPAIR STATION LZ4R354M

### PARTS REPLACED

|   |              |                  |                 |
|---|--------------|------------------|-----------------|
| 1 | 66-12156-19  | Lockwshr         | LOT197986/5     |
| 1 | 7211MT-952-T | Seal Assy        | LOT197975/25    |
| 1 | BACS11AA113A | Seal             | LOT140769/3     |
| 1 | BACS34A2A    | Scraper          | LOT124304/6/1   |
| 1 | CS3213 B1/2  | Sealant Pint Kit | LOT194711/1     |
| 2 | MS14101-8    | Bearing          | LOT197973/12    |
|   |              |                  | LOT197973/11    |
| 2 | MS28782-19   | Back-Up Ring     | LOT197525/2     |
| 1 | NAS1611-113  | Packing          | LOT196561/15    |
| 1 | NAS1611-214  | O Ring           | LOT196048/16/13 |

STOCKROOM : Miguel Rigüero

PAGE : 1